

Numerical Solution of the Cauchy Problem for
Linear Second-order Equations of Parabolic
Type, by V. G. Sragovich.
RUSSIAN, per, Zhur Vychisl. Mate i Mate Fiz,
Vol IV, No 3, 1964, pp 592-596.
Dept of Navy Tr 4335/ATLANT T-1474

Sci - Math
Nov 65

292,906

Method of Numerical Computation and Solution of the
Problem of Dispersion of a Plane Glass Layer with
Graduated Nonuniform Energy Liberation, by
A. S. Fonarev.

RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i
Mekhanicheskoy Fiziki, Vol 4, No 3, 1964, pp 604-610.
FTD-66-1885

FTD-MT-65-582 23/12/65

Sci/Chemistry
Nov 65

The Method of Elimination for Solving
Difference Boundary Problems, by I. D.
Gofronov.

RUSSIAN, per, Zhurnal Vych. Mat. Fiz.,
no. 4, 1964, pp 256-266.

NLL 5774.5 (1291)

Sci - Math

Oct 67

342,758

On numerical solution of boundary problems,
by T. S. Vashakmadze.
RUSSIAN, per, Zhur Vychisl Mat i Mat Fiz, Vol IV, No 4,
1964, pp 623-657.
*Dept of Navy JHU/APL No J601

Sci- ES
Aug 65

The Theory of the Heat Potential (Installment
1) Direct Values of the Heat Potentials and
the Reverse Problem in the Theory of the
Heat Potential, by Wang Tung, 18 pp.
RUSSIAN, per, Zhurn Vych Mate i Matemat Fiz.
Vol IV, No 4, 1964, pp 660-670. TP5002873
FTD-TT-65-1686

Sci - Phys
Jan 67

314,221

Algorithm for Finding a General Formula for Non-Negative
Solutions of a System of Linear Equations,
by N. V. Chernikova.
RUSSIAN, per, Zhur Vychisl Matemat i Matemat Fiz.
Vol IV, No 4, pp 738-738.
*Dept of Navy JHU/APL

Sci - DP
Aug 65

On Approximate Solution of Integral Equations,
by Yu. M. Zhileykin.

RUSSIAN, per, Zhur Vychisl. Mate i Eto Fiz.
Vol IV, No 4, 1964, pp 749-753.

Dept of Navy Tr 4256/APL No 1419

Sci - Math

Oct 65

291,315

Some Methods of Accelerating the Convergence of
Iterative Schemes, by B. T. Polyak, 17 pp.
RUSSIAN, per, Zhur Vychislitel. Matemat i Matemat Fiz,
Vol IV, No 5, 1964, pp 791-802.
JPRS 28179

Sci-Math & Data Proc
Feb 65

273,148

Reference Boundary-value Problem for a General Para-
bolic System, by Konoval'sev.
RUSSIAN, per, Zhur Vychisl Mat i Mat Fiz, Vol IV, No 5,
1964, p 835.
*Duple of Navy APL/JHU J584

Sci - ES
Aug 65

284,281

Influence of Nonequilibrium Dissociation on
Supersonic Around Blunt Bodies, by Yu. P. Lun'kin,
F. D. Popov, 11 pp.
RUSSIAN, per, Vychisl Mate i Matem, Fiz, Vol IV,
No 5, 1964, pp 896-904.
CIA/PDD X-5513

FTD-FT-65-1666 P100028066 15 pp

Sci - Phys
Jan 625

FOR OFFICIAL USE ONLY

270,485

Use of Barycentric Coordinates for Solving Some
Computational Problems, by S. S. Lavrov, 10 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz,
Vol IV, No 5, 1964, pp 905-911/.
JPRS 28180

Sci-Math & Data Proc
Feb 65

273,147

New Method of Solving Differential Equations of the
 Type $t_n(w) \frac{dy}{dw} + t_{n-1}(w) \frac{dy}{dw} + \dots + t_1(w) \frac{dy}{dw} - y(w) = t(w)$,
 by A. V. Baranov, 9 pp.
 RUSSIAN, per, Zhur Vychisl Mate i Mate Fiz, Vol IV,
 No 5, 1964, pp 920-926.
 CIA/FDD X-45497

Sci - Math & Data Proc
 Dec 64

FOR OFFICIAL USE ONLY

269,774

Ecobunical Difference Schemes for Systems of Parabolic Equations, by Samarskiy.
RUSSIAN, per. Zhur Vychisl Mat i Mat Fiz, Vol IV, No 5, 1961, p 927.
*Dept of Navy APL/JHU J585

Sci - Phys
Aug 65

284,282

Effective Organization of the Dynamic Use of $\mathbf{E}$ Memory,
by M. R. Shura-Bura, V. V. Martinyuk, 7 pp.
RUSSIAN, per, Zhur Vychislitel. Matemat i Matemat Fiz,
Vol IV, No 5, 1964, pp 963-1967.
JPRS 28181

Sci-Math & Data Proc
Feb 65

273,146

Input-Output Procedures in the Algol-60 Language,
by A. P. Ershov, S. S. Lavrov, et al, 5 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz,
Vol IV, No 5, 1964, pp 970-973.
JPRS 38182

Sci-Math & Data Proc
Feb 65

273,145

Method of Approximate Solution of Systems of Nonlinear
Equations, by V. A. Marveyev.
RUSSIAN, par. Zhur Vychislitel Matemat i Matemat Fiz,
Vol IV, No. 6, 1964, pp 983-994.
•Dept of Navy JHU/APL J560

Sci + Phys
Jul 65

282,325

Approximate Solution of Certain Optimal Control
Problems, by R. D. Fedorenko, 30 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1045-1064.
JPRS #9263

USSR
Sci-Math/Data Process
Mar 65

276,576

On the Kinetic Theory of the Boundary
Layer Between a Rarefied Plasma and a
Magnetic Field, by Yu. S. Sigov, 17 pp.
RUSSIAN, per, Izvestiya Matematicheskoi
Fiziki, Vol IV, No 6, 1964, pp 1065-1077.
9698516
ITD-MT-65-152

Sci - Phys
Nov 68

291,874

On Numerical Solution of Problems on Optimal
Processes with Distributed Parameters, by M.
P. Leonchuk, 10 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1112-1117.
JPRS 29268

USSR
Sci-Phys
Mar 65

276,577

On Location of Commands Following a Command
with Random Execution Time with Optimal
Programming, by A. I. Serebryanyy, 6 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1131-1134.
JPRS 29863

USSR
Sci-Math & Data Processing
Mar 65

276,573

The Problem of Optimization in Stochastic
Models, by L. S. Gurin, 6 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1134-1137.
JPRS 29263

USER
Sci-Phys
Mar 65

276,579

On One Method for Solving Transportation
Network Problems, by V. A. Gorelik and M. S.
Shtil'man, 8 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1137-1142.
JPRS 29263

USSR
Sci-Math/Data Processing
Mar 65

276,580

Elimination of Pathological Conditioned-Reflex
Connections in Experimental Hypertensive States,
A. V. Napalkov, A. Ya. Karas, 12 pp.

RUSSIAN, per, Zhur Vysahey Nervnoy Deyatel,
Vol III, No 3, 1947, pp 402-409. 9093745

NIH 9-14-61

Sci - Med

Jan 62

178,799

Effect of Vitamin B₁ on Conditioned-Reflex Function
of Dogs, by L. O. Zaval'd, 11 pp. V

RUSSIAN, per, Zhurnal Vysshei Nervnoi Deiatel'nosti,
Vol I, No 2, 1951, pp 160-164.

Sci Tr Center
RT-128J.

Scientific - Biology

17,412

The Peculiarities of the Interaction Between
the First and Second Signaling Systems in the
Course of Formation of Conditioned Reflexes to
Complex Stimuli in Children, by V. K. Fadayeva,

RUSSIAN, per, Zhurnal vysshey nervnoy
deyatelnosti, No 3, 1951, pp 28-32.

CIA Library

Q P

355

.U5

MIH

109,915

Sci - Med
Mar 60

Disturbance of Higher Nervous Activity on
Intoxication of Animals With Bulbocapnine,
by L. I. Kotlyarevskiy, 50 pp.

RUSSIAN, per, Zhur Vysshei Nervnoi Deyatel'nosti,
Vol I, No 4, 1951, pp 579-602.

Sci Mus Lib 55/2459

Natl Res Lib TT-537

Sci - Biology, Medicine

29,584

(FDD 21392)

Physiology of Internal Analyzers, by
S. Sh. Sh. Ayrapsyants, 38 pp.

RUSSIAN, bimo per, Zhur Vysshey Nervnoy,
Deyatel nosti, Vol II, No 4, Moscow, Jul/Aug
1952, pp 481-500.

CIA/FDD/U-6476

USSR

Sci - Medicine

18,961

(FDD 21393)

The Mechanism of Generalization of Conditioned Reflexes. (The Law Governing the Coupling Function in the Higher Divisions of the Central Nervous System), by G. V. Skipin, 16 pp.'

RUSSIAN, bimo per, Zhur Vysshey Nervnoy, Devatel'nosti, Vol II, No 4, Moscow, Jul/Aug 1952, pp 501-508.

USSR
Sci. - Medicine

CIA/FDD/U-6477

18,960

(FDD 21394)

The Comparative Physiology and Pathology of
Conditioned Reflexes, by D. A. Biryukov,
36 pp.

RUSSIAN, bimo per, Zhur Vysatex Zazimov,
Doklady Akad. Nauk SSSR, Vol II, No 4, Moscow, Jul/Aug
1952, pp 518-534.

CIA/FDD/U-6478

USSR
Sci - Medicine

18,967

(FDD 21395)

Early Conditioned Reflexes in the Child, by
N. I. Kasatkin, 20 pp.

RUSSIAN, bimo per, Zhur Vysshey Nervnoy,
Deyatel'nosti, Vol II, No 4, Moscow, Jul/Aug
1952, pp 572-581.

USSR
Sci - Medicine

OTS 63/13788
CIA/FDD/U-6479

18,966

(FDD 21396)

Oriented Conditioned Reflexes in Infants
During the First Year of Life, by N. I.
Kasatkin, N. S. Mirzoyants, H. P. Khokhitva,
20 pp.

RUSSIAN, bimo per, Zhur Vysshay Nervnoy Deyatel'
nost1, Vol III, No 2, Moscow, Mar/Apr 1953,
pp 192-202.

USSR
Sci - Medicine

62-13727 CIA/FDD/U-6255

18,238

(FDD 21397)

Initial Conditioned Reactions in Newborn Infants
Under Normal and in Certain Pathological Condi-
tions, by V. S. Dashkovskaya, 27 pp.

RUSSIAN, bimo per, Zhur Vysshey Nervnoy Deyatel'
nosti, Vol III, No 2, Moscow, Mar/Apr 1953, pp 247-
259.

CIA/FDD/U-6256

62-15773

18, 239

USSR

Sci - Medicine

(Soviet Union)

Clinical Study of the Ultra-paradoxical Phase
of Psychogenic Reactions, by G. V. Kerbikov,
D. N. Kopylov, 26 pp.

RUSSIAN, bimo per, Zhur Vysshay Nervnoy
Bolezni, Vol III, No 3, Moscow, May/June,
1953, pp 369-380.

CIA/PDD/U-6581

USSR
Scientific - Medicine

19,174

(FDD 20909)

An Experiment of Differentiated Hypnotherapeutic Action in the light of I. P. Pavlov's Doctrine on the Two Signal Systems, by I. V. Strel'chuk, 32 pp.

RUSSIAN, bindo per, Zhur Vysshey Nazvnoy Deyatel'nosti, Vol III, No 3, Moscow, May/Jun 1953, pp 353-368.

CIA/FDD/U-6145

USSR

Sci - Med, physiology

16,617

(FDD 20990)

The Interaction of the First and Second Signal
Systems in the Somnambulant Phase of Hypnosis
First Communication, by B. V. Pavlov, Yu. A.
Povorinskiy, 25 pp.

RUSSIAN, bimo per, Zhur Vysshey Nervnoy Devatel'nosti.
Vol III, No 3, Moscow, May/Jun 1953, pp 381-392.

CIA/FDD/U-6146

USAR

Sci - Med, physiology

16,616

(FDD 21902)

Formation of Temporary Associations to General
Environmental Stimuli as a Factor Regulating the
Overall Functional State of the Cerebral Cortex,
by N. A. Mostanetskaya, 19 pp.

RUSSIAN, bimo per, Zhur Vyshey Nervnoy Deyatel'
nost', Vol. III, No. 5, Moscow, Sep/Oct 1953, pp 755-
764.

CIA/FDD/U-6414

USSR

Sci - Medicine, brain physiology

18,201

Data on the Study of Conditioned Defensive
Reflexes in Fish Fry, by G. V. Popov.
RUSSIAN, per, Zh Vyssh Nerv Deyatel, Vol 3,
No 5, 1953, pp 774-788.

Dept of Interior
Bureau of Commercial Fisheries
Office of Foreign Fisheries
No A-28/May 69/30
On Loan Only

Sci-B&M
July 69

388,598

(FDD 29094)

The Role of Types of Nervous System in the Interrelationships Between the Functions of the Higher Divisions of the Central Nervous System and the Condition of the Internal Medium of the Organism in the Normal State and in Pathology, M. A. Usiyevich, 24 pp.

RUSSIAN, bimo per, 2000 Vyssh Nerv Deyatel'nosti
I. P. Pavlova, Vol IV, No 3, Moscow, May/Jun 1954,
pp 313-323

CIA/IDD U-9164

Sci - Medicine, physiology

44,908

Nov 1956/CTB

(PDD 25731)

Conditioned Leucocyte Response to Paraffin Procedure,
by A. G. Urin, K. K. Bydaliyeva, 21 pp.

RUSSIAN, mimeo per, Zhur Vrashey Mary Daxtal' imeni
I. P. Pavlova, Vol IV, No 3, Moscow, May/June 1954,
pp 355-364.

CIA/PDD U-8903

39,584

USGR

Sci. - Medicine, neurophysiology

Oct 56

(FDD 25732)

Importance of the Induction Mechanism in the Restoration of Conditioned Motor Reactions in Man, by V. G. Spirin, V. L. Fantalova, 29 pp.

RUSSIAN, mime par, Zhur Vrashey Nerv Deyatel'nosti
I. P. Pavlova, Vol IV, No 3, Moscow, May/Jun 1954,
pp 365-380.

CIA/FDD U 8904

39,585

USSR

Sci - Medicine, neurophysiology

Oct 56

(FD 45734)

Characteristics of the Formation of Vestibular
Conditioned Reflexes, by A. I. Yeztchik, 12 pp.

RUSSIAN, bino per, Zhur Vyshey Nerv Daytal' iseni
I. P. Pavlova, Vol IV, No 3, Moscow, May/Jun 1954,
pp 381-396.

CIA/FD) U-8906

39,587

USSR

Sci - Medicine, neurophysiology

Oct 56

(FID 25735)

Restoration of Impaired Conditioned Reflex Activity
in a Dog Kept in Prolonged Darkness, by N. Ye.
Kilbnyeva, 15 pp.

RUSSIAN, also per, Zhur Vyshey Nerv Deyatel'nosti
I. E. Pavlov, Vol IV, No 3, Moscow, May/Jun 1954,
pp 387-395.

CIA/FID U-8907

39,588

USDA

Sci - Medicine, & neurophysiology

Oct 56

(FDD 25736)

Effect of Intravenous Injection of Pyramidon on
the Conditioned Reflex Activity of Dogs, by V. I.
Sapadnyuk, 20 pp.

RUSSIAN, bimo per, Zhur Vyshey Nerv Deyatel' izani
I. P. Pavlova, Vol IV, No 3, USSR Moscow, May/Jun
1950, pp 396-405.

CIA/FDD U-8908

39,589

USSR

Sci - Medicine, neurophysiology

Oct 56

(FOI 25733)

Interrelation in the Development of Orientation
Reactions and Conditioned Motor Reactions in
Ontogenesis, by G. M. Nikitina, 118 pp.

RUSSIAN, bino per, Ekst Vysshey Nerv Deyatel' ineni
I. P. Pavlova, Vol IV, No 3, Moscow, May/Jun 1954,
pp 406-414.

CIA/FOI U-8905

62-13773
39,586

USCIB

Sci - Medicine, neurophysiology

Oct 56

(FDD 25737)

Conditioned Reactions of Blood Pressure and Respiration in Experiments Involving Surgery, by N. Z. Sigal, 17 pp.

RUSSIAN, bino per, Zhur Vysshyy Nerv Deyatel' nosti
I. P. Pavlova, Vol IV, No 3, Moscow, May/June 1954,
pp 415-423.

CIA/FDD U-8909

USSR

Sol - Medicine, neurophysiology

Oct 56

39,590

(FDD 25738)

Comparative Physiological Investigation of the
Mobility of Neural Processes, by A. V. Glebovakiy,
Vikt. F. Fedorov, 17 pp.

RUSSIAN, bino per, Zam Vyshey Nerv Deyatel' imeni
I. P. Pavlova, Vol IV, No 3, Moscow, May/Jun 1954,
pp 424-432.

CIA/FDD = U-8910

39,591

INDEX

Sci - Medicine, neurophysiology

Oct 56

(TDD 25739)

The Effect of Caffeine on the Higher Nervous Activity
in Mice, by Vikt. F. Fedorov, 10 pp.

RUSSIAN, mime pm, Zhur Vyshego Mory Deyatel'nosti
I. P. Zhurav. Vol IV, No 3, Moscow, May/Jun 1954,
pp 433-438.

CIA/TDD U-8911

UNSER

Sci - Medicine, neurophysiology
Oct 56

39,592

{FID 25740}

Cortical Regulation of Function of the Thyroid Gland,
by A. A. Veytkovich, S. H. Gordina, 11 pp.

RUSSIAN, himno per: Zhurny Vysshoy Nerv Doyatel' izomni
I. P. Pavlova, Vol. IV, No 3, Moscow, May/Jun 1954,
pp 439-447.

CIA/FID U-8912

USRR

Sci - Medicine, neurophysiology
Oct 56

39,593

(PDD 25741)

State of Conditioned Responses to Visual Stimulation
in Dogs Following Injuries to the Temporal Lobes, by
P. A. Mering, 11. pp.

RUSSIAN, bimo puz, Zhar Vynaboy Mary Deyatel' imani
I. P. Pavlova, Vol IV, No 3, Moscow, May/June 1954,
pp 148-154.

CIA/PDD U-8913

39,594

USCIB

Sci - Medicine, neurophysiology

Oct 56

(FID 25626)

An Investigation of the Interaction of the First and Second Signal Systems by a Laboratory (Artificial, Experimental, or Unknown) Language Method, by Yaromir Orbek, 16 pp.

RUSSIAN, also per, Zhuk Vasilyevich Derzhal', Vol IV, No 4, Moscow, Jul/Aug, 1954, pp 457-464.

CIA/FID/U-7022

USSR

Sci - Medicine, neurophysiology

32,168

(FDD 25627)

A Change in the Activity of the Auditory Analyzer
in Man Due to the Effect of Verbal Stimuli Used
in Experiments of the Physiology of the Sense
Organs, by A. M. Maraseva, L. A. Christovich, 17 pp.

RUSSIAN, bldmo per, Zhur Vysshay Nerv Deyatel',
Vol IV, No 4, Moscow, Jul/Aug 1974, pp 465-473.

CIA/FDD/U-7823

32,165

USSR:

Sci - Medicine, neurophysiology

(FDD 25628)

The Problem of the Paired Work of the Hemispheres of
the Cerebrum in Man, by B. A. Lebedev, 16 pp.

RUSSIAN, bino per, Zhur Vrashev, Levy Davatel,
Vol IV, No 4, Moscow, Jul/Aug 1958, 474-481.

CIA/FDD/U-7830

32,162

USCIB

Sci - Medicine, neurophysiology

(FDD 25629)

The Problems of the Regulatory Effect of the Central Nervous System on the Circulatory System in ~~MAN~~
Man, by K. Ya. Sil'chenko, 22 pp.

RUSSIAN, bimo per, Zhur Vysshey Nerv Deyatel', Vol IV,
No 4, Moscow, Jul/Aug 1954, pp 482-493.

CIA/FDD/U-7853

USSR

Sci - Medicine, neurophysiology

Feb 1956 CTS

32,337

(1954-1955)

The Effect of Chloralhydrate and Sodium Amytal on the
Electrical Activity of the Human Brain, by I. S.
Rabiner, Kh. G. Prenkiakn, 12 pp.

RUSSIAN, bimo per, Zhur Vysokiy Nary Deyatel', Vol IV
No 4, Moscow, Jul/Aug 1954, pp 494-501. IV

CIA/FDE/U-7854

UNSR

Sci - Medicine, neurophysiology

Feb 1956 CTS

32, 338

(FDD 25631)

Disruption of Higher Nervous Activity During the
Poisoning of Animals With ~~EMERGENCY~~ Phosphorous, by
S. K. Krasnov, 20 pp.

RUSSIAN, bimo ger, Zhur Vyssney Nerv Daya tel',
Vol IV, No 4, Moscow, Jul/Aug 1954, pp 558-567.

CIA/FDD/U-7856

USSR

Sci - Medicine,, neurophysiology

Feb 1956 CTS

32,339

(FDD 25632)

A Method of Investigating the Higher Nervous Activity
of Man, by A. I. Mashcheryakov, 11 pp.

RUSSIAN, bimo per; Zhur Vysshey Nerv Deyatel', Vol IV,
No 4, Moscow, Jul/Aug 1954, pp 574-580.

CIA/FDD/U-7857

USSR

Sci - Medicine, neurophysiology

FEB 1956 CTS

32,340

(PDD 25633)

A Method of Carrying Out Comparative-Physiological
Studies of Higher Nervous Activity in Animals, by
A. V. Glebovskiy, V. K. Federov, 10 pp.

RUSSIAN, bimo per, Zhur Vyshey Nerv Deyatel',
Vol IV, No 4, Moscow, Jul/Aug 1954, pp 581-585

CIA/PDD/U-7884

USSR

33,332

Sci - Medicine, neurophysiology

(WID 25634)

The Problems of Sleep Therapy (Results of Special meeting Devoted to the Problem of the Experimental Foundations of Sleep Therapy,) by A. A. Volkhov, 17 pp.

RUSSIAN, bimo per, Zhuk Vyshnyy Nerv Deyatel', Vol. IV, Nov 4, Moscow, Jul/Aug 1974, pp 591-598.

CIA/WID/11-7885

33, 334

USSR

Sci - Medicine, neurophysiology

3 - 11-1974

NY-1063

Experiments of the Application of the Pupil's
Reflex and Electroencephalography for the In-
vestigation of Conditioned Reflex Activity of
Man, by M. M. Atayev, 9 pp. UNCLASSIFIED

RUSSIAN, bimo per, Zhur Vysshey Nervnoy Deyatel'-
nosti, Vol V, No 1, Moscow, Jan/Feb 1955, pp 108-
109.

US JPRS/NY-L-103

Sci - Medicine

61, 877

NY-1063

On the Role of Cortical Action During the Process
of the Adaptation of the Organism to Chilling, by
V. I. Gzaidova, 13 pp. UNCLASSIFIED

RUSSIAN, bimo per, Zhur Vysshey Nervnoy Deyatel'-
nosti, Vol V, No 1, Moscow, Jan/Feb 1955, pp 83-95.

US JPRS/NY-L-102

Sci - Medicine

61,876

NY-1055

Portable Apparatus for the Investigation of Mobility Conditioned Reflexes of Man, by A. V. Chapek, 6 pp. UNCLASSIFIED

RUSSIAN, bino per, Zhur Vysshey Nervnoy Deyatel'nosti, Vol V, No 1, Moscow, Jan/Feb 1955, pp 124-127.

US JPRS/MY-L-104

Sci - Medicine

61,878

62-15058

Rusinov, V. S.
N. E. VVEDENSKII, A. A. UKHTOMSKIĬ'S THEORY
ON INHIBITION AND ITS RELATION TO THE
PAVLOVIAN THEORY. [1961] [13p. 1 ref.
Order from OTS or SLA \$1.60 62-15058

Trans. of Zhurnal Vysshei Nervnoi Deyatel'nosti
(USSR) 1955, v. 5, no. 2, p. 142-156.

DESCRIPTORS: *Nervous system, Inhibition, Stimula-
tion, Excitation, Theory, *Analyzers (Psychology)

The theory of Vvedenskiy of the basic nerve processes,
of the interrelationship between excitation and inhibi-
tion, the concept of stationary excitation (theory of
parabiosis), the principle of the plasticity of the devel-
opment of physiological processes in the nervous sys-
tem, of the significance of the time factor in physiolog-
ical reactions, of the functional condition of an excit-
(Biological Sciences--Physiology. IT, v. 7, no. 12)
(over)

1. Title: Pavlov's theory
- I. Rusinov, V. S.
- II. National Institutes of
Health, Bethesda, Md.
- III. Vvedenskiĭ, N. E.
- IV. Ukhtomskiĭ, A. A.

Office of Technical Services

DC-2250

The Nature of the Process of Central Inhibition,
by I. S. Buritov, A. I. Roytsak, 17 pp.

RUSSIAN, par, Zhurnal Vysish Nervy Deyatel', Vol V,
No 2, Moscow, Mar-Apr 1955, pp 173-186.

US JPRS/DC-L-1219

US821

Sci

Nov 58

77,831

62-15052

Bykov, K. M.

FURTHER DEVELOPMENT OF THE PROBLEMS OF
PHYSIOLOGY AND PATHOLOGY OF THE CORTI-
COVISCERAL SYSTEM [Dal'neishoe Razvitiye Problemy
Fiziologii i Patologii Kortikovisceral'nykh Vzaismoot-
nochenii]. [1961] 20p.

Order from OTS or SLA \$1.60

62-15052

Trans. of Zhurnal Vysshei Nervnoi Deyatel'nosti
(USSR) 1955, v. 5, no. 4, p. 449-462.

Another trans. is available from SLA as RT-4273.

DESCRIPTORS: *Nervous system, *Conditioned reflex,
Physiology, Pathology, *Analyzers (Psychology)

(Biological Sciences--Physiology, JT, v. 7, no. 12)

- I. Title: Pavlov's theory
- I. Bykov, K. M.
- II. National Institutes of
Health, Bethesda, Md.
- III. TR-4273

Office of Technical Services

62-15055

Kupalov, P. S.
PHYSIOLOGICAL ORGANIZATION OF THE
PROCESSES OF EXCITATION AND INHIBITION IN
THE CEREBRAL CORTEX DURING CONDITIONED
REFLEX ACTIVITY [1961] [13]p. (4 figs. omitted).
Order from OTS or SLA \$1.60 62-15055

Trans. of Zhurnal Vysshego Nervnogo Deyatel'nosti
(USSR) 1955, v. 5, no. 4, p. 463-473.

DESCRIPTORS: *Cerebral cortex. Excitation.
Inhibition. Conditioned reflex.

I. Kupalov, P. S.
II. National Institutes of Health,
Bethesda, Md.

Office of Technical Services

(Biological Sciences--Physiology, TT, v. 8, no. 1)

S-4577

(DC-2159)

Characteristics of Conditioned Galvanic Skin Responses
and Alpha Rhythm Suppression Reactions in Man in
Response to Subthreshold and Suprathreshold Sound
Stimulation, by G. V. Gershuni, 19 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel', Vol V, No 5,
Moscow, Sep/Oct 1955, pp 665-676.

US JPRS/DC-L-887

Sci - Med

75,530

S-4570

New Experimental Aspects in Studying Diencephalic
Mechanisms and Processes of Higher Nervous
Activity, by K. Lishak, 11 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel', Vol V,
No 5, Moscow, Sep/Oct 1955, pp 636-643.

US JPRS/DC-L-886

Sci - Medicine

74, 008

(Sov. 1955)

Modifications in the Electrical Activity in the Occipital Region of the Cerebral Cortex of the Dog Upon Chronic Irritation by Light, by I. V. Danilov, 15 pp.

RUSSIAN, bino per, Zhur Vyssh Nerv Deyatel' inen.
I. P. Pavlova, Vol V, No 4, Moscow, Jul-Aug 1955,
pp 574-581.

CIA/FED U-3722

58, 9/8

USSR

Sci - Medicine, physiology

Aug 56 CTS/DZX

(FDD 27827)

New Data on Conditioned and Unconditioned Reflexes,
by E. A. Asratyan, 24 pp.

RUSSIAN, bimo per, Zhur Vyash Murv Deyatel' imeni
I. E. Pavlova, Vol V, No 4, Moscow, Jul/Aug 1955,
pp 480-491.

88-1-2576
CIA/FDD U-8720

USSR

Sci - Medicine, physiology

Aug 56 CTR/DEX

38,922

62-15338

Smirnov, L. I.

ON THE QUESTION OF MORPHOLOGICAL INVESTIGATION OF THE FUNCTIONAL STATES OF THE NERVOUS SYSTEM (K Voprosu o Morfologicheskoi Izucheni Funktsional'nykh Sostoianii Nervnoi Sistemy). [1961] 21p. 6 refs.

Order from OTS or SLA \$2.60

62-15338

1. Smirnov, L. I.

Trans. of Zhurnal Vyssei Nervnoi Deyatel'nosti (USSR) 1956, v. 6, no. 1, p. 76-86.

DESCRIPTORS: *Nervous system, Morphology, Metabolism, Glycogen, Lipids, Inhibition, Histology, Brain, Mental diseases.

To construct a picture of the morphological counterpart of inhibitory processes, investigation of the whole neurone is required, and not merely of separate fragments of its complex structure, such as Nissl (Biological Sciences--Pathology, 11, v. 8, no. 1)(over)

Office of Technical Services

1075-D

Changes in the Cerebrum After Total Exclusion
of Visual, Auditory, Vestibular, and Olfactory
Receptors at an Early Age, by B. N. Kisevskiy,
Ye. N. Komarskaya, 10 pp.

RUSSIAN, per, Elmer Vysotsky Nervous System,
Vol VI, No 3, Moscow, 1976, pp 443-450.

US JPRS Tr L-1325-D

Sci - Medicine
Jan 59

79, 391

(DC-1075).

Changes in Higher Nervous Activity After Removal
of the Adrenal Medulla in Dogs With Different
Types of Nervous Systems, by M. M. Karimova,
29 pp.

RUSSIAN, per, Zhur Vysshey Nervnoy Deyatel'nosti,
Vol VI, No 3, 1956, pp 415-425.

JPRS-L-1324-M D

Sci - Med
Feb 60

106,702

DC-1075

The Formation of Intero- and Exteroceptive Con-
ditioned Reflexes in Various Stages of Ontogenesis,
by H. A. Moiseyeva, 6 pp.

RUSSIAN, per, Zhur Vysshay Kurvnoy Deyatel'nosti,
Vol VI, No 3, Moscow, 1956, pp 394-398.

UD JPRS DC-L-1323

Sci - Medicine
Jan 59

78,319

(FDD 2721)

Further Development of the Problem of the Physiology
and Pathology of the Cerebro-Visceral Interrelations,
by K. M. Bykov, 31 pp.

RUSSIAN, bino per, Zhur Vyash. Nerv. Deyatel' izmen.
I. P. Pavlova, Vol V, No 6, Moscow, Jul/Aug 1955,
pp 449-462.

CIA/FDD U-8721

USER

Sci - Medicine, physiology

Aug 56 CTS/DEN

38,919

NOT

S-4576

(DC-2156)

Dynamics of the Formation of Simultaneous and
Trace Conditioned Reflexes of Alpha-Rhythm
Suppression and Their Differentiation, by N. A.
Mushkina, 8 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel' imeni
I. P. Pavlova, Vol VI, No 1, Moscow, Jan/Feb
1956, pp 157-163.

US JPRS/DC-L-877

Sci - Medicine

75,009